

TABLE I: Comparison of precision  $np$  models and the 1993 Nijmegen phase shift analysis (PWA93). Our calculations are in bold face. Number of data used in each fit is in parentheses.

models			$\chi^2/N_{\text{data}}(N_{\text{data}})$		
Reference	# <sup>a</sup>	year <sup>b</sup>	1993	2000	2007
PWA93	39 <sup>c</sup>	1993	0.99(2514) <b>1.09<sup>d</sup>(3011)</b>	—	—
Nijm I	41 <sup>c</sup>	1993	1.03 <sup>c</sup> (2514)	—	—
AV18	40 <sup>c</sup>	1995	1.06(2526)	—	—
CD-Bonn	43 <sup>c</sup>	2000	—	1.02(3058)	—
WJC-1	27	2007	<b>1.03(3011)</b>	<b>1.05(3336)</b>	<b>1.06(3788)</b>
WJC-2	15	2007	<b>1.09(3011)</b>	<b>1.11(3336)</b>	<b>1.12(3788)</b>

<sup>a</sup>Number of parameters

<sup>b</sup>Includes all data prior to this year.

<sup>c</sup>For a fit to both  $pp$  and  $np$  data.

<sup>d</sup>Our fitting procedure uses the effective range expansion. The numbers shown use WJC-1 parameters.